

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name: COMPUTER SCIENCE 21ST MAY 2016 ACTUAL
Subject Name: COMPUTER SCIENCE
Duration: 180

Elective Subject

Group Maximum Duration : 120
 Group Minimum Duration : 120
 Revisit allowed for view? : No
 Revisit allowed for edit? : No

Computer Science

Mandatory or Optional: Mandatory
 Display Number Panel: Yes
 Group All Questions: No

Question Number : 1 Question Id : 9593766551 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If $A = \{x \mid x(x-1) = 0\}$ and $B = \{0, 1\}$, then:

Options :

- ✗ $A \subset B$
- ✗ $B \subset A$
- ✓ $A = B$
- ✗ $A \neq B$
- ✗ $A \cap B = \phi$

Question Number : 1 Question Id : 9593766551 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If $A = \{x \mid x(x-1) = 0\}$ and $B = \{0, 1\}$, then:

Options :

- ✗ $A \subset B$
- ✗ $B \subset A$

3. ☒ $A = B$

4. ☐ $A \neq B$

5. ☐ $A \cap B = \phi$

Question Number : 2 Question Id : 9593766552 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The equality of sets is:

Options :

1. ☐ reflexive, but not symmetric

2. ☐ reflexive, but not transitive

3. ☐ reflexive, symmetric, but not transitive

4. ☐ reflexive, transitive, but not symmetric

5. ☒ reflexive, symmetric, and transitive

Question Number : 2 Question Id : 9593766552 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The equality of sets is:

Options :

1. ☐ reflexive, but not symmetric

2. ☐ reflexive, but not transitive

3. ☐ reflexive, symmetric, but not transitive

4. ☐ reflexive, transitive, but not symmetric

5. ☒ reflexive, symmetric, and transitive

Question Number : 3 Question Id : 9593766553 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

A relation $R = \{ \langle 1, 1 \rangle, \langle 1, 2 \rangle, \langle 3, 2 \rangle, \langle 2, 3 \rangle, \langle 3, 3 \rangle \}$ in a set $\{1, 2, 3\}$ is:

Options :

1. ☐ reflexive

2. ☐ reflexive as well as irreflexive

3. ☐ reflexive but nor irreflexive

4. ☐ irreflexive but not reflexive

5. ☒ neither reflexive nor irreflexive

Question Number : 3 Question Id : 9593766553 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

A relation $R = \{ \langle 1, 1 \rangle, \langle 1, 2 \rangle, \langle 3, 2 \rangle, \langle 2, 3 \rangle, \langle 3, 3 \rangle \}$ in a set $\{1, 2, 3\}$ is:

Options :

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1. ✗ reflexive
2. ✗ reflexive as well as irreflexive
3. ✗ reflexive but not irreflexive
4. ✗ irreflexive but not reflexive
5. ✓ neither reflexive nor irreflexive

Question Number : 4 Question Id : 9593766554 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not an example of equivalence relation?

Options :

1. ✓ Relation of numbers having a common factor greater than 1 on the set of integers
2. ✗ Equality of subsets of a universal set
3. ✗ Equality of numbers on a set of real numbers
4. ✗ Similarity of triangles on the set of triangles
5. ✗ Relation of lines being parallel on a set of lines in a plane

Question Number : 4 Question Id : 9593766554 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not an example of equivalence relation?

Options :

1. ✓ Relation of numbers having a common factor greater than 1 on the set of integers
2. ✗ Equality of subsets of a universal set
3. ✗ Equality of numbers on a set of real numbers
4. ✗ Similarity of triangles on the set of triangles
5. ✗ Relation of lines being parallel on a set of lines in a plane

Question Number : 5 Question Id : 9593766555 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Let $X = \{1, 2, 3\}$, $Y = \{p, q\}$, and $Z = \{a, b\}$. Also let $f: X \rightarrow Y$ is $f = \{ \langle 1, p \rangle, \langle 2, p \rangle, \langle 3, q \rangle \}$ and $g: Y \rightarrow Z$ is given by $g = \{ \langle p, b \rangle, \langle q, b \rangle \}$. The value of $g \circ f$, where "o" represents composition of functions is:

Options :

1. ✗ $g \circ f = \{ \langle 1, b \rangle, \langle 2, a \rangle \}$
2. ✓ $g \circ f = \{ \langle 1, b \rangle, \langle 2, b \rangle, \langle 3, b \rangle \}$
3. ✗ $g \circ f = \{ \langle 1, b \rangle, \langle 2, b \rangle, \langle 3, a \rangle \}$
4. ✗ $g \circ f = \{ \langle 1, a \rangle, \langle 2, b \rangle, \langle 3, b \rangle \}$

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5. ✖ $g \circ f = \{ \langle 1, b \rangle, \langle 2, a \rangle, \langle 3, b \rangle \}$

Question Number : 5 Question Id : 9593766555 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Let $X = \{1, 2, 3\}$, $Y = \{p, q\}$, and $Z = \{a, b\}$. Also let $f: X \rightarrow Y$ is $f = \{ \langle 1, p \rangle, \langle 2, p \rangle, \langle 3, q \rangle \}$ and $g: Y \rightarrow Z$ is given by $g = \{ \langle p, b \rangle, \langle q, a \rangle \}$. The value of $g \circ f$, where "o" represents composition of functions is:

Options :

1. ✖ $g \circ f = \{ \langle 1, b \rangle, \langle 2, a \rangle \}$

2. ✔ $g \circ f = \{ \langle 1, b \rangle, \langle 2, b \rangle, \langle 3, b \rangle \}$

3. ✖ $g \circ f = \{ \langle 1, b \rangle, \langle 2, b \rangle, \langle 3, a \rangle \}$

4. ✖ $g \circ f = \{ \langle 1, a \rangle, \langle 2, b \rangle, \langle 3, b \rangle \}$

5. ✖ $g \circ f = \{ \langle 1, b \rangle, \langle 2, a \rangle, \langle 3, b \rangle \}$

Question Number : 6 Question Id : 9593766556 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following languages is not a regular language?

Options :

1. ✖ $L = \{awa \mid w \in \{a,b\}^*\}$

2. ✖ $L = \{a^n \mid n \geq 4\}$

3. ✔ $L = \{a^n b^n \mid n \in \mathbb{N}\}$

4. ✖ $L = \{a^n \mid n \geq 0, n \neq 4\}$

5. ✖ $L = \{a^n \mid n \text{ is either a multiple of 3 or a multiple of 5}\}$

Question Number : 6 Question Id : 9593766556 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following languages is not a regular language?

Options :

1. ✖ $L = \{awa \mid w \in \{a,b\}^*\}$

2. ✖ $L = \{a^n \mid n \geq 4\}$

3. ✔ $L = \{a^n b^n \mid n \in \mathbb{N}\}$

4. ✖ $L = \{a^n \mid n \geq 0, n \neq 4\}$

5. ✖ $L = \{a^n \mid n \text{ is either a multiple of 3 or a multiple of 5}\}$

Question Number : 7 Question Id : 9593766557 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The regular expression representing the following set of all strings is:

$L(r) = \{a^{2n}b^{2m+1} : n \geq 0, m \geq 0\}$

Options :

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1. ✗ $r = a^* b^* b$
2. ✗ $r = (aa)^* b^* bb$
3. ✗ $r = a^* (bb)^* b$
4. ✓ $r = (aa)^* (bb)^* b$
5. ✗ $r = (aa)^* (bbb)^*$

Question Number : 7 Question Id : 9593766557 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The regular expression representing the following set of all strings is:

$$L(r) = \{a^{2n}b^{2m+1} : n \geq 0, m \geq 0\}$$

Options :

1. ✗ $r = a^* b^* b$
2. ✗ $r = (aa)^* b^* bb$
3. ✗ $r = a^* (bb)^* b$
4. ✓ $r = (aa)^* (bb)^* b$
5. ✗ $r = (aa)^* (bbb)^*$

Question Number : 8 Question Id : 9593766558 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following claims are true for all regular expressions r_1 and r_2 , where the symbol $\equiv$ stands for equivalence of expressions in the sense that both expressions denote the same language?

Options :

1. ✗ $(r_1^*)^* \equiv r_1^*$
2. ✗ $r_1^*(r_1 + r_2)^* \equiv (r_1 + r_2)^*$
3. ✗ $r_2^*(r_1 + r_2)^* \equiv (r_1 + r_2)^*$
4. ✗ $(r_1 r_2)^* \equiv r_1^* r_2^*$
5. ✓ $(r_1 + r_2)^* \equiv (r_1^* r_2^*)^*$

Question Number : 8 Question Id : 9593766558 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following claims are true for all regular expressions r_1 and r_2 , where the symbol $\equiv$ stands for equivalence of expressions in the sense that both expressions denote the same language?

Options :

1. ✗ $(r_1^*)^* \equiv r_1^*$

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2. ✗ $r_1^*(r_1 + r_2)^* \equiv (r_1 + r_2)^*$
3. ✗ $r_2^*(r_1 + r_2)^* \equiv (r_1 + r_2)^*$
4. ✗ $(r_1 r_2)^* \equiv r_1^* r_2^*$
5. ✓ $(r_1 + r_2)^* \equiv (r_1^* r_2^*)^*$

Question Number : 9 Question Id : 9593766559 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

An infinite graph with a finite number of vertices (i.e., a graph with a finite number of vertices and an infinite number of edges) without having parallel self-loops will have at least _____ pair of vertices.

Options :

1. ✓ one
2. ✗ two
3. ✗ four
4. ✗ eight
5. ✗ sixteen

Question Number : 9 Question Id : 9593766559 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

An infinite graph with a finite number of vertices (i.e., a graph with a finite number of vertices and an infinite number of edges) without having parallel self-loops will have at least _____ pair of vertices.

Options :

1. ✓ one
2. ✗ two
3. ✗ four
4. ✗ eight
5. ✗ sixteen

Question Number : 10 Question Id : 9593766560 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The maximum number of edges in a simple graph with n vertices is:

Options :

1. ✗ $n(n + 1)/2$
2. ✗ $n(n + 1)$
3. ✓ $n(n - 1)/2$
4. ✗ $n(n - 1)$
5. ✗ $n(n - 1)(n + 1)$

Question Number : 10 Question Id : 9593766560 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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The maximum number of edges in a simple graph with n vertices is:

Options :

1. ✗ $n(n+1)/2$
2. ✗ $n(n+1)$
3. ✓ $n(n-1)/2$
4. ✗ $n(n-1)$
5. ✗ $n(n-1)(n+1)$

Question Number : 11 Question Id : 9593766561 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Maximum degree of any vertex in a simple graph with n vertices is:

Options :

1. ✗ n
2. ✓ $n-1$
3. ✗ $n+1$
4. ✗ $n-2$
5. ✗ $n+2$

Question Number : 11 Question Id : 9593766561 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Maximum degree of any vertex in a simple graph with n vertices is:

Options :

1. ✗ n
2. ✓ $n-1$
3. ✗ $n+1$
4. ✗ $n-2$
5. ✗ $n+2$

Question Number : 12 Question Id : 9593766562 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

A Hamiltonian circuit in a connected graph of 10 vertices consists of exactly _____ edges.

Options :

1. ✓ 10
2. ✗ 45
3. ✗ 55
4. ✗ 9
5. ✗ 11

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Correct : 2 Wrong : 1

A Hamiltonian circuit in a connected graph of 10 vertices consists of exactly _____ edges.

Options :

1. ✓ 10
2. ✗ 45
3. ✗ 55
4. ✗ 9
5. ✗ 11

Question Number : 13 Question Id : 9593766563 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If the intersection of two paths is a disconnected graph then the union of the two paths has at least _____ circuit.

Options :

1. ✓ one
2. ✗ two
3. ✗ three
4. ✗ four
5. ✗ five

Question Number : 13 Question Id : 9593766563 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If the intersection of two paths is a disconnected graph then the union of the two paths has at least _____ circuit.

Options :

1. ✓ one
2. ✗ two
3. ✗ three
4. ✗ four
5. ✗ five

Question Number : 14 Question Id : 9593766564 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of colors that are necessary and sufficient to paint all n vertices ($n \geq 2$) of a tree such that no edge in the tree has both of its end vertices of the same color is:

Options :

1. ✗ n
2. ✗ $n - 2$
3. ✗ $n + 2$
4. ✓ 2
5. ✗ $n \times 2$

Question Number : 14 Question Id : 9593766564 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of colors that are necessary and sufficient to paint all n vertices ($n \geq 2$) of a tree such that no edge in the tree has both of its end vertices of the same color is:

Options :

1. ✗ n
2. ✗ $n - 2$
3. ✗ $n + 2$
4. ✓ 2
5. ✗ $n \times 2$

Question Number : 15 Question Id : 9593766565 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of labeled trees with n vertices ($n \geq 2$) is:

Options :

1. ✗ 2^n
2. ✗ n^n
3. ✓ n^{n-2}
4. ✗ n^2
5. ✗ n^{2n}

Question Number : 15 Question Id : 9593766565 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of labeled trees with n vertices ($n \geq 2$) is:

Options :

1. ✗ 2^n
2. ✗ n^n
3. ✓ n^{n-2}
4. ✗ n^2
5. ✗ n^{2n}

Question Number : 16 Question Id : 9593766566 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If P and Q are well-formed formulas then which of the following is not a well-formed formula?

Options :

1. ✗ $\neg (P \wedge Q)$
2. ✗ $(P \rightarrow (P \vee Q))$

- 3. ✖ $\neg (P \vee Q)$
- 4. ✖ $((P \wedge Q) \rightarrow Q)$
- 5. ✔ $(P \wedge Q) \rightarrow Q$

Question Number : 16 Question Id : 9593766566 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If P and Q are well-formed formulas then which of the following is not a well-formed formula?

Options :

- 1. ✖ $\neg (P \wedge Q)$
- 2. ✖ $(P \rightarrow (P \vee Q))$
- 3. ✖ $\neg (P \vee Q)$
- 4. ✖ $((P \wedge Q) \rightarrow Q)$
- 5. ✔ $(P \wedge Q) \rightarrow Q$

Question Number : 17 Question Id : 9593766567 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

A statement formula which is false regardless of the truth values of the statements which replace the variables in it is called?

Options :

- 1. ✖ Tautology
- 2. ✔ Contradiction
- 3. ✖ Well-formed formula
- 4. ✖ Logical truth
- 5. ✖ Universally valid formula

Question Number : 17 Question Id : 9593766567 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

A statement formula which is false regardless of the truth values of the statements which replace the variables in it is called?

Options :

- 1. ✖ Tautology
- 2. ✔ Contradiction
- 3. ✖ Well-formed formula
- 4. ✖ Logical truth
- 5. ✖ Universally valid formula

Question Number : 18 Question Id : 9593766568 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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The truth table for $(P \rightarrow Q) \wedge (Q \rightarrow P)$ has the truth value T whenever:

Options :

1. ☒ both P and Q have identical truth values
2. ☐ both P and Q have different truth values
3. ☐ P has truth value T
4. ☐ P has truth value F
5. ☐ Q has truth value T

Question Number : 18 Question Id : 9593766568 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The truth table for $(P \rightarrow Q) \wedge (Q \rightarrow P)$ has the truth value T whenever:

Options :

1. ☒ both P and Q have identical truth values
2. ☐ both P and Q have different truth values
3. ☐ P has truth value T
4. ☐ P has truth value F
5. ☐ Q has truth value T

Question Number : 19 Question Id : 9593766569 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The truth table for $\neg Q \rightarrow \neg P$ has the truth value T whenever:

Options :

1. ☒ both P and Q have identical truth values
2. ☐ both P and Q have different truth values
3. ☐ P has truth value T
4. ☐ Q has truth value F
5. ☐ P has truth value T and Q has truth value F

Question Number : 19 Question Id : 9593766569 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The truth table for $\neg Q \rightarrow \neg P$ has the truth value T whenever:

Options :

1. ☒ both P and Q have identical truth values
2. ☐ both P and Q have different truth values
3. ☐ P has truth value T

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4. ✖ Q has truth value F

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5. ✖ P has truth value T and Q has truth value F

Question Number : 20 Question Id : 9593766570 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements about Transistor-Transistor Logic (TTL) is false?

Options :

1. ✖ Replace all input diodes in DTL gate with transistor
2. ✖ Consume more power than CMOS gate
3. ✖ Less sensitive to static-discharge
4. ✖ Power consumption does not increase with clock speed as rapidly as for CMOS
5. ✔ Slower than CMOS

Question Number : 20 Question Id : 9593766570 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements about Transistor-Transistor Logic (TTL) is false?

Options :

1. ✖ Replace all input diodes in DTL gate with transistor
2. ✖ Consume more power than CMOS gate
3. ✖ Less sensitive to static-discharge
4. ✖ Power consumption does not increase with clock speed as rapidly as for CMOS
5. ✔ Slower than CMOS

Question Number : 21 Question Id : 9593766571 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The 16's complement of the Hexadecimal number $(2A0E00)_{16}$ is:

Options :

1. ✖ $(D3F1FF)_{16}$
2. ✔ $(D3F200)_{16}$
3. ✖ $(D3F100)_{16}$
4. ✖ $(D3F000)_{16}$
5. ✖ $(2AFF00)_{16}$

Question Number : 21 Question Id : 9593766571 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The 16's complement of the Hexadecimal number $(2A0E00)_{16}$ is:

Options :

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1. ✖ $(D3F1FF)_{16}$
2. ✔ $(D3F200)_{16}$
3. ✖ $(D3F100)_{16}$
4. ✖ $(D3F000)_{16}$
5. ✖ $(2AFF00)_{16}$

Question Number : 22 Question Id : 9593766572 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Using 2's complement technique to store negative numbers, the range of values that can be stored in a 4-bit memory space is:

Options :

1. ✖ -16 to + 16
2. ✖ -15 to + 15
3. ✔ -8 to + 7
4. ✖ -7 to + 8
5. ✖ -7 to + 7

Question Number : 22 Question Id : 9593766572 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Using 2's complement technique to store negative numbers, the range of values that can be stored in a 4-bit memory space is:

Options :

1. ✖ -16 to + 16
2. ✖ -15 to + 15
3. ✔ -8 to + 7
4. ✖ -7 to + 8
5. ✖ -7 to + 7

Question Number : 23 Question Id : 9593766573 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Considering x and y as Boolean variables, which of the following is incorrect?

Options :

1. ✖ $x + x' = 1$
2. ✖ $x \cdot x' = 0$
3. ✖ $x + 1 = 1$
4. ✖ $x(x + y) = x$
5. ✔ $x(x + y) = y$

Correct : 2 Wrong : 1

Considering x and y as Boolean variables, which of the following is incorrect?

Options :

1. ✗ $x + x' = 1$
2. ✗ $x \cdot x' = 0$
3. ✗ $x + 1 = 1$
4. ✗ $x(x + y) = x$
5. ✓ $x(x + y) = y$

Question Number : 24 Question Id : 9593766574 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The complement of the Boolean function $x(y'z' + yz)$ is:

Options :

1. ✗ $x + (y + z)(y' + z')$
2. ✗ $x' + (y + z)(y' + z)$
3. ✗ $x + (y + z)(y' + z)$
4. ✓ $x' + (y + z)(y' + z')$
5. ✗ $x' + (y + z)(y + z')$

Question Number : 24 Question Id : 9593766574 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The complement of the Boolean function $x(y'z' + yz)$ is:

Options :

1. ✗ $x + (y + z)(y' + z')$
2. ✗ $x' + (y + z)(y' + z)$
3. ✗ $x + (y + z)(y' + z)$
4. ✓ $x' + (y + z)(y' + z')$
5. ✗ $x' + (y + z)(y + z')$

Question Number : 25 Question Id : 9593766575 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is wrong?

Options :

1. ✗ The sum of all minterms of a Boolean function of n variables is 1
2. ✗ The product of all maxterms of a Boolean function of n variables is 0
3. ✓ The sum of all minterms of a Boolean function of n variables is 0 <https://universitypaper.in>

4. ✖ The dual of the exclusive-OR is equal to its complement

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The Boolean function obtained from ANDing the two Boolean functions F_1 and F_2

5. ✖ contains those minterms common to both F_1 and F_2

Question Number : 25 Question Id : 9593766575 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is wrong?

Options :

1. ✖ The sum of all minterms of a Boolean function of n variables is 1

2. ✖ The product of all maxterms of a Boolean function of n variables is 0

3. ✔ The sum of all minterms of a Boolean function of n variables is 0

4. ✖ The dual of the exclusive-OR is equal to its complement

The Boolean function obtained from ANDing the two Boolean functions F_1 and F_2

5. ✖ contains those minterms common to both F_1 and F_2

Question Number : 26 Question Id : 9593766576 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

An n -bit parallel adder requires:

Options :

1. ✔ n full-adders

2. ✖ n half-adders

3. ✖ $n - 2$ full-adders

4. ✖ $n + 2$ half-adders

5. ✖ $n + 1$ full-adders

Question Number : 26 Question Id : 9593766576 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

An n -bit parallel adder requires:

Options :

1. ✔ n full-adders

2. ✖ n half-adders

3. ✖ $n - 2$ full-adders

4. ✖ $n + 2$ half-adders

5. ✖ $n + 1$ full-adders

Question Number : 27 Question Id : 9593766577 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

For implementation of a Boolean function of three variables which of the following multiplexers is required?

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Options :

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1. ✖ 8 to 1 multiplexer
2. ✖ 16 to 1 multiplexer
3. ✔ 4 to 1 multiplexer
4. ✖ 32 to 1 multiplexer
5. ✖ 2 to 1 multiplexer

Question Number : 27 Question Id : 9593766577 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

For implementation of a Boolean function of three variables which of the following multiplexers is required?

Options :

1. ✖ 8 to 1 multiplexer
2. ✖ 16 to 1 multiplexer
3. ✔ 4 to 1 multiplexer
4. ✖ 32 to 1 multiplexer
5. ✖ 2 to 1 multiplexer

Question Number : 28 Question Id : 9593766578 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In general, the state table of a sequential circuit with m flip-flops and n input variables will have:

Options :

1. ✖ 2^n rows
2. ✔ 2^m rows
3. ✖ 2^{m+2} rows
4. ✖ 2^{n+2} rows
5. ✖ $m + n$ rows

Question Number : 28 Question Id : 9593766578 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In general, the state table of a sequential circuit with m flip-flops and n input variables will have:

Options :

1. ✖ 2^n rows
2. ✔ 2^m rows
3. ✖ 2^{m+2} rows
4. ✖ 2^{n+2} rows
5. ✖ $m + n$ rows

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Question Number : 29 Question Id : 9593766579 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Assuming one byte space for char type variables, what will be the output of the following C program segment?

```
char x = 128; printf("%d", x>>1);
```

Options :

1. ✗ 256
2. ✗ 64
3. ✓ -64
4. ✗ -128
5. ✗ -256

Question Number : 29 Question Id : 9593766579 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Assuming one byte space for char type variables, what will be the output of the following C program segment?

```
char x = 128; printf("%d", x>>1);
```

Options :

1. ✗ 256
2. ✗ 64
3. ✓ -64
4. ✗ -128
5. ✗ -256

Question Number : 30 Question Id : 9593766580 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the outputs of the following C program segment?

```
printf("%d", printf("Examination"));
```

Options :

1. ✓ Examination, 11
2. ✗ 11, Examination
3. ✗ Examination, 12
4. ✗ 12, Examination
5. ✗ Examination, 0

Question Number : 30 Question Id : 9593766580 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the outputs of the following C program segment?

```
printf("%d", printf("Examination"));
```

Options :

1. ☒ Examination, 11
2. ☐ 11, Examination
3. ☐ Examination, 12
4. ☐ 12, Examination
5. ☐ Examination, 0

Question Number : 31 Question Id : 9593766581 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the output of the following C program segment?

```
int x=2, y=3; printf("%d, %d", x+y, ++y);
```

Options :

1. ☐ 5, 4
2. ☐ 4, 5
3. ☐ 4, 6
4. ☐ 0, 0
5. ☒ 6, 4

Question Number : 31 Question Id : 9593766581 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the output of the following C program segment?

```
int x=2, y=3; printf("%d, %d", x+y, ++y);
```

Options :

1. ☐ 5, 4
2. ☐ 4, 5
3. ☐ 4, 6
4. ☐ 0, 0
5. ☒ 6, 4

Question Number : 32 Question Id : 9593766582 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the output of the following C program segment?

```
int x[2]={2}; printf("%d", ++1[x]+x[1]);
```

Options :

1. ☐ 0
2. ☐ 1
3. ☒ 2

4. ✖ Garbage value

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5. ✖ Syntax error

Question Number : 32 Question Id : 9593766582 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What will be the output of the following C program segment?

```
int x[2]={2}; printf("%d", ++1[x]+x[1]);
```

Options :

1. ✖ 0

2. ✖ 1

3. ✔ 2

4. ✖ Garbage value

5. ✖ Syntax error

Question Number : 33 Question Id : 9593766583 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following C++ operator can't be overloaded using member function?

Options :

1. ✖ Addition (+)

2. ✖ Subtraction (-)

3. ✖ Division (/)

4. ✖ Multiplication (*)

5. ✔ Insertion (<<)

Question Number : 33 Question Id : 9593766583 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following C++ operator can't be overloaded using member function?

Options :

1. ✖ Addition (+)

2. ✖ Subtraction (-)

3. ✖ Division (/)

4. ✖ Multiplication (*)

5. ✔ Insertion (<<)

Question Number : 34 Question Id : 9593766584 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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Which of the following is not a pure object-oriented language?

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Options :

1. ✗ Java
2. ✗ Simula
3. ✗ Smalltalk
4. ✓ Ada
5. ✗ Eiffel

Question Number : 34 Question Id : 9593766584 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a pure object-oriented language?

Options :

1. ✗ Java
2. ✗ Simula
3. ✗ Smalltalk
4. ✓ Ada
5. ✗ Eiffel

Question Number : 35 Question Id : 9593766585 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid property of C++?

Options :

1. ✗ Encapsulation
2. ✓ Garbage collection
3. ✗ Multiple inheritance
4. ✗ Polymorphism
5. ✗ Early and late binding

Question Number : 35 Question Id : 9593766585 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid property of C++?

Options :

1. ✗ Encapsulation
2. ✓ Garbage collection
3. ✗ Multiple inheritance
4. ✗ Polymorphism
5. ✗ Early and late binding

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Question Number : 36 Question Id : 9593766586 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect?

Options :

1. ✗ The procedure of deriving a class from derived class is called multi-level inheritance.
2. ✗ The procedure of deriving a class from more than one class is called multiple inheritance.
3. ✓ The execution of constructors takes place from derived class to base class.
4. ✗ The execution of destructors takes place from derived class to base class.
5. ✗ An abstract class is a class which cannot be used to create objects.

Question Number : 36 Question Id : 9593766586 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect?

Options :

1. ✗ The procedure of deriving a class from derived class is called multi-level inheritance.
2. ✗ The procedure of deriving a class from more than one class is called multiple inheritance.
3. ✓ The execution of constructors takes place from derived class to base class.
4. ✗ The execution of destructors takes place from derived class to base class.
5. ✗ An abstract class is a class which cannot be used to create objects.

Question Number : 37 Question Id : 9593766587 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In three-schema architecture of DBMS, the ability to change the internal schema without having to change the conceptual schema is known as:

Options :

1. ✓ Physical data independence
2. ✗ Logical data independence
3. ✗ Schema mapping
4. ✗ Data reorganization
5. ✗ View definition

Question Number : 37 Question Id : 9593766587 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In three-schema architecture of DBMS, the ability to change the internal schema without having to change the conceptual schema is known as:

Options :

1. ☒ Physical data independence
2. ☐ Logical data independence
3. ☐ Schema mapping
4. ☐ Data reorganization
5. ☐ View definition

Question Number : 38 Question Id : 9593766588 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The attributes of a binary one-to-one relationship type can be migrated to:

Options :

1. ☐ only left entity type
2. ☐ only right entity type
3. ☒ either left or right entity type
4. ☐ neither left nor right entity type
5. ☐ both left and right entity type

Question Number : 38 Question Id : 9593766588 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The attributes of a binary one-to-one relationship type can be migrated to:

Options :

1. ☐ only left entity type
2. ☐ only right entity type
3. ☒ either left or right entity type
4. ☐ neither left nor right entity type
5. ☐ both left and right entity type

Question Number : 39 Question Id : 9593766589 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following attributes can be treated as composite as well as multi-valued attribute?

Options :

1. ☐ Age
2. ☐ Date of birth
3. ☐ Manager start date
4. ☐ Salary
5. ☒ Address

Correct : 2 Wrong : 1

Which of the following attributes can be treated as composite as well as multi-valued attribute?

Options :

1. ✗ Age
2. ✗ Date of birth
3. ✗ Manager start date
4. ✗ Salary
5. ✓ Address

Question Number : 40 Question Id : 9593766590 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The degree (or arity) of a database relation is the number of _____ in its relation schema.

Options :

1. ✓ attributes
2. ✗ tuples
3. ✗ entities
4. ✗ primary keys
5. ✗ foreign keys

Question Number : 40 Question Id : 9593766590 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The degree (or arity) of a database relation is the number of _____ in its relation schema.

Options :

1. ✓ attributes
2. ✗ tuples
3. ✗ entities
4. ✗ primary keys
5. ✗ foreign keys

Question Number : 41 Question Id : 9593766591 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Entity integrity constraint states that:

Options :

1. ✗ no candidate key value can be null
2. ✗ no foreign key value can be null
3. ✗ primary key values can't be duplicate

4. ✓ no primary key value can be null
5. ✗ foreign key values can't be duplicate

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Question Number : 41 Question Id : 9593766591 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Entity integrity constraint states that:

Options :

1. ✗ no candidate key value can be null
2. ✗ no foreign key value can be null
3. ✗ primary key values can't be duplicate
4. ✓ no primary key value can be null
5. ✗ foreign key values can't be duplicate

Question Number : 42 Question Id : 9593766592 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

A relation schema with only two attributes is always in:

Options :

1. ✗ 1NF but not in 2NF
2. ✗ 2NF but not in 3NF
3. ✗ 3NF but not in BCNF
4. ✓ BCNF
5. ✗ 4NF but not in BCNF

Question Number : 42 Question Id : 9593766592 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

A relation schema with only two attributes is always in:

Options :

1. ✗ 1NF but not in 2NF
2. ✗ 2NF but not in 3NF
3. ✗ 3NF but not in BCNF
4. ✓ BCNF
5. ✗ 4NF but not in BCNF

Question Number : 43 Question Id : 9593766593 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the following Relational Algebra operators needs union compatibility of relations?

Options :

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1. ✖ Cross product
2. ✖ Division
3. ✖ Natural join
4. ✖ Equijoin
5. ✔ Intersection

Question Number : 43 Question Id : 9593766593 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following Relational Algebra operators needs union compatibility of relations?

Options :

1. ✖ Cross product
2. ✖ Division
3. ✖ Natural join
4. ✖ Equijoin
5. ✔ Intersection

Question Number : 44 Question Id : 9593766594 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Assuming "Max" as an aggregate function to find maximum of a given list of numeric values, what will be the result of the following SQL statements?

Select Max(salary) from Employee where salary < (select Max(salary) from Employee);

Options :

1. ✖ Highest salary
2. ✖ Lowest salary
3. ✔ Second highest salary
4. ✖ Second lowest salary
5. ✖ Lowest and highest salaries

Question Number : 44 Question Id : 9593766594 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Assuming "Max" as an aggregate function to find maximum of a given list of numeric values, what will be the result of the following SQL statements?

Select Max(salary) from Employee where salary < (select Max(salary) from Employee);

Options :

1. ✖ Highest salary
2. ✖ Lowest salary
3. ✔ Second highest salary

4. ✖ Second lowest salary

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5. ✖ Lowest and highest salaries

Question Number : 45 Question Id : 9593766595 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Consider an array of size one. For insertion, if there is no space in the array then another array of double size of the existing array is created and data of existing array are copied. What will be the total number of copy operations to insert 10 elements one by one?

Options :

1. ✖ 10

2. ✔ 15

3. ✖ 18

4. ✖ 20

5. ✖ 55

Question Number : 45 Question Id : 9593766595 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Consider an array of size one. For insertion, if there is no space in the array then another array of double size of the existing array is created and data of existing array are copied. What will be the total number of copy operations to insert 10 elements one by one?

Options :

1. ✖ 10

2. ✔ 15

3. ✖ 18

4. ✖ 20

5. ✖ 55

Question Number : 46 Question Id : 9593766596 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following data structures is used to implement recursive functions?

Options :

1. ✖ Array

2. ✖ Queue

3. ✖ Heap

4. ✔ Stack

5. ✖ Binary Tree

Question Number : 46 Question Id : 9593766596 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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Which of the following data structures is used to implement recursive functions?

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Options :

1. ✗ Array
2. ✗ Queue
3. ✗ Heap
4. ✓ Stack
5. ✗ Binary Tree

Question Number : 47 Question Id : 9593766597 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The time complexity of the algorithm to find the inverse of a diagonal matrix of order $n \times n$ is:

Options :

1. ✓ $O(n)$
2. ✗ $O(n \log n)$
3. ✗ $O(n^2)$
4. ✗ $O(n^3)$
5. ✗ $O(1)$

Question Number : 47 Question Id : 9593766597 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The time complexity of the algorithm to find the inverse of a diagonal matrix of order $n \times n$ is:

Options :

1. ✓ $O(n)$
2. ✗ $O(n \log n)$
3. ✗ $O(n^2)$
4. ✗ $O(n^3)$
5. ✗ $O(1)$

Question Number : 48 Question Id : 9593766598 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The total number of multiplications to get the determinant of an upper-triangular matrix of order $n \times n$ is:

Options :

1. ✗ n
2. ✗ $n + 1$
3. ✓ $n - 1$
4. ✗ $n(n - 1)/2$

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5. ✖ $n(n+1)/2$

Question Number : 48 Question Id : 9593766598 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The total number of multiplications to get the determinant of an upper-triangular matrix of order $n \times n$ is:

Options :

- 1. ✖ n
- 2. ✖ $n+1$
- 3. ✔ $n-1$
- 4. ✖ $n(n-1)/2$
- 5. ✖ $n(n+1)/2$

Question Number : 49 Question Id : 9593766599 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following data structures has insertion operation of order $O(1)$?

Options :

- 1. ✖ Array
- 2. ✖ Linked List
- 3. ✖ Binary Tree
- 4. ✔ Queue
- 5. ✖ Binary Search Tree

Question Number : 49 Question Id : 9593766599 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following data structures has insertion operation of order $O(1)$?

Options :

- 1. ✖ Array
- 2. ✖ Linked List
- 3. ✖ Binary Tree
- 4. ✔ Queue
- 5. ✖ Binary Search Tree

Question Number : 50 Question Id : 9593766600 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Minimum number of nodes in a complete binary tree of height 10 is:

Options :

- 1. ✖ 10
- 2. ✖ 20

- 3. ✖ 100
- 4. ✔ 512
- 5. ✖ 1024

Question Number : 50 Question Id : 9593766600 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Minimum number of nodes in a complete binary tree of height 10 is:

Options :

- 1. ✖ 10
- 2. ✖ 20
- 3. ✖ 100
- 4. ✔ 512
- 5. ✖ 1024

Question Number : 51 Question Id : 9593766601 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The concept of OOPs that allows compiler to insert arguments in a function call if it is not specified is:

Options :

- 1. ✖ Call by value
- 2. ✖ Call by reference
- 3. ✔ Default arguments
- 4. ✖ Call by pointer
- 5. ✖ Call by input

Question Number : 51 Question Id : 9593766601 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The concept of OOPs that allows compiler to insert arguments in a function call if it is not specified is:

Options :

- 1. ✖ Call by value
- 2. ✖ Call by reference
- 3. ✔ Default arguments
- 4. ✖ Call by pointer
- 5. ✖ Call by input

Question Number : 52 Question Id : 9593766602 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Total number of different binary trees that can be constructed using 4 nodes is:

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Options :

1. ✗ 8
2. ✓ 14
3. ✗ 16
4. ✗ 24
5. ✗ 32

Question Number : 52 Question Id : 9593766602 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Total number of different binary trees that can be constructed using 4 nodes is:

Options :

1. ✗ 8
2. ✓ 14
3. ✗ 16
4. ✗ 24
5. ✗ 32

Question Number : 53 Question Id : 9593766603 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following tree traversal techniques provides ordered list of node values when it is applied over a binary search tree?

Options :

1. ✗ Preorder
2. ✗ Postorder
3. ✓ Inorder
4. ✗ Level-order
5. ✗ Both Preorder and Postorder

Question Number : 53 Question Id : 9593766603 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following tree traversal techniques provides ordered list of node values when it is applied over a binary search tree?

Options :

1. ✗ Preorder
2. ✗ Postorder
3. ✓ Inorder
4. ✗ Level-order
5. ✗ Both Preorder and Postorder

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Question Number : 54 Question Id : 9593766604 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

While implementing binary tree using array, which of the following trees does not leave empty array cells between two filled-cells?

Options :

1. ✗ Binary search tree
2. ✗ AVL tree
3. ✗ Red-black tree
4. ✗ Skewed binary tree
5. ✓ Heap tree

Question Number : 54 Question Id : 9593766604 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

While implementing binary tree using array, which of the following trees does not leave empty array cells between two filled-cells?

Options :

1. ✗ Binary search tree
2. ✗ AVL tree
3. ✗ Red-black tree
4. ✗ Skewed binary tree
5. ✓ Heap tree

Question Number : 55 Question Id : 9593766605 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect for a B-Tree of order m?

Options :

1. ✗ The root node has at least 2 children
2. ✗ All internal nodes except root node have at least $\lceil \frac{m}{2} \rceil$ children
3. ✗ All leaf nodes should be at the same level
4. ✓ All leaf nodes should have at least $\lceil \frac{m}{2} \rceil$ keys
5. ✗ All internal nodes except root node have at least $\lceil \frac{m}{2} \rceil - 1$ keys

Question Number : 55 Question Id : 9593766605 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect for a B-Tree of order m?

Options :

1. ✗ The root node has at least 2 children

2. ✗ All internal nodes except root node have at least $\lfloor \frac{m}{2} \rfloor$ children <https://universitypaper.in>
3. ✗ All leaf nodes should be at the same level
4. ✓ All leaf nodes should have at least $\lfloor \frac{m}{2} \rfloor$ keys
5. ✗ All internal nodes except root node have at least $\lfloor \frac{m}{2} \rfloor - 1$ keys

Question Number : 56 Question Id : 9593766606 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following techniques can't be used to avoid primary clustering problem in hashing?

Options :

1. ✗ Random probing
2. ✗ Double hashing
3. ✓ Chaining
4. ✗ Rehashing
5. ✗ Quadratic probing

Question Number : 56 Question Id : 9593766606 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following techniques can't be used to avoid primary clustering problem in hashing?

Options :

1. ✗ Random probing
2. ✗ Double hashing
3. ✓ Chaining
4. ✗ Rehashing
5. ✗ Quadratic probing

Question Number : 57 Question Id : 9593766607 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following OSI layers is not present in the TCP/IP reference model?

Options :

1. ✗ Application layer
2. ✓ Session layer
3. ✗ Transport layer
4. ✗ Network layer
5. ✗ Data link and physical layers

Question Number : 57 Question Id : 9593766607 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following OSI layers is not present in the TCP/IP reference model?

Options :

1. ✗ Application layer
2. ✓ Session layer
3. ✗ Transport layer
4. ✗ Network layer
5. ✗ Data link and physical layers

Question Number : 58 Question Id : 9593766608 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is an unguided transmission media?

Options :

1. ✗ Magnetic media
2. ✗ Twisted pair
3. ✓ Radio transmission
4. ✗ Coaxial cable
5. ✗ Fiber optics

Question Number : 58 Question Id : 9593766608 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is an unguided transmission media?

Options :

1. ✗ Magnetic media
2. ✗ Twisted pair
3. ✓ Radio transmission
4. ✗ Coaxial cable
5. ✗ Fiber optics

Question Number : 59 Question Id : 9593766609 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of instances of an abstract class that can be created is:

Options :

1. ✗ 1
2. ✗ 5

3. ✖ 13

4. ✔ 0

5. ✖ 10

Question Number : 59 Question Id : 9593766609 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of instances of an abstract class that can be created is:

Options :

1. ✖ 1

2. ✖ 5

3. ✖ 13

4. ✔ 0

5. ✖ 10

Question Number : 60 Question Id : 9593766610 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Number of possible network IDs in IP address class B is:

Options :

1. ✔ 2^{14}

2. ✖ 2^{16}

3. ✖ $2^{14} - 2$

4. ✖ $2^{16} - 2$

5. ✖ $2^{16} + 2$

Question Number : 60 Question Id : 9593766610 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Number of possible network IDs in IP address class B is:

Options :

1. ✔ 2^{14}

2. ✖ 2^{16}

3. ✖ $2^{14} - 2$

4. ✖ $2^{16} - 2$

5. ✖ $2^{16} + 2$

Correct : 2 Wrong : 1

ADSL stands for:

Options :

1. ✗ Asynchronous Digital Subscriber Line
2. ✓ Asymmetric Digital Subscriber Line
3. ✗ Asynchronous Data Subscriber Line
4. ✗ Asymmetric Digitally Safe Line
5. ✗ Asymmetric Data Subscriber Line

Question Number : 61 Question Id : 9593766611 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

ADSL stands for:

Options :

1. ✗ Asynchronous Digital Subscriber Line
2. ✓ Asymmetric Digital Subscriber Line
3. ✗ Asynchronous Data Subscriber Line
4. ✗ Asymmetric Digitally Safe Line
5. ✗ Asymmetric Data Subscriber Line

Question Number : 62 Question Id : 9593766612 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The technique of temporarily delaying outgoing acknowledgements so that they can be hooked onto the next outgoing data frame is known as:

Options :

1. ✗ Automatic Repeat Request (ARQ)
2. ✗ Tunneling
3. ✗ Fragmentation
4. ✓ Piggybacking
5. ✗ Handshaking

Question Number : 62 Question Id : 9593766612 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The technique of temporarily delaying outgoing acknowledgements so that they can be hooked onto the next outgoing data frame is known as:

Options :

1. ✗ Automatic Repeat Request (ARQ)

- 2. ✖ Tunneling
- 3. ✖ Fragmentation
- 4. ✔ Piggybacking
- 5. ✖ Handshaking

Question Number : 63 Question Id : 9593766613 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect?

Options :

- 1. ✖ Pure ALOHA doesn't require global time synchronization.
- 2. ✖ Slotted ALOHA requires global time synchronization.
- 3. ✖

Protocols in which stations listen for a carrier and act accordingly are called carrier sense protocols.

- 4. ✔ In ALOHA system stations abort their transmissions as soon as they detect a collision.
- 5. ✖ 1-persistent CSMA is a carrier sense protocol.

Question Number : 63 Question Id : 9593766613 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following statements is incorrect?

Options :

- 1. ✖ Pure ALOHA doesn't require global time synchronization.
- 2. ✖ Slotted ALOHA requires global time synchronization.
- 3. ✖

Protocols in which stations listen for a carrier and act accordingly are called carrier sense protocols.

- 4. ✔ In ALOHA system stations abort their transmissions as soon as they detect a collision.
- 5. ✖ 1-persistent CSMA is a carrier sense protocol.

Question Number : 64 Question Id : 9593766614 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a principal DNS resource record type for IPv4?

Options :

- 1. ✖ MX
- 2. ✖ NS
- 3. ✖ A
- 4. ✖ CNAME
- 5. ✔ TDR

Correct : 2 Wrong : 1

Which of the following is not a principal DNS resource record type for IPv4?

Options :

1. ✗ MX
2. ✗ NS
3. ✗ A
4. ✗ CNAME
5. ✓ TDR

Question Number : 65 Question Id : 9593766615 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following functions can't be performed by a Loader?

Options :

1. ✗ Allocation
2. ✗ Linking
3. ✗ Relocation
4. ✗ Loading
5. ✓ Execution

Question Number : 65 Question Id : 9593766615 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following functions can't be performed by a Loader?

Options :

1. ✗ Allocation
2. ✗ Linking
3. ✗ Relocation
4. ✗ Loading
5. ✓ Execution

Question Number : 66 Question Id : 9593766616 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In absolute loading scheme, the linking function is performed by:

Options :

1. ✗ Compiler
2. ✗ Loader
3. ✓ Programmer
4. ✗ Linker

Question Number : 66 Question Id : 9593766616 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

In absolute loading scheme, the linking function is performed by:

Options :

1. ✖ Compiler
2. ✖ Loader
3. ✔ Programmer
4. ✖ Linker
5. ✖ Interpreter

Question Number : 67 Question Id : 9593766617 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Considering N as the set of non-terminal symbols and T as the set of terminal symbols, let $A, B \in N$; $\alpha, \beta \in (N \cup T)^* - \lambda$, and $a \in T$. Which of the following is a valid production form for context free language?

Options :

1. ✖ $\alpha \rightarrow \beta$
2. ✔ $A \rightarrow \beta$
3. ✖ $A \rightarrow aB$
4. ✖ $A \rightarrow a$
5. ✖ $A \rightarrow Ba$

Question Number : 67 Question Id : 9593766617 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Considering N as the set of non-terminal symbols and T as the set of terminal symbols, let $A, B \in N$; $\alpha, \beta \in (N \cup T)^* - \lambda$, and $a \in T$. Which of the following is a valid production form for context free language?

Options :

1. ✖ $\alpha \rightarrow \beta$
2. ✔ $A \rightarrow \beta$
3. ✖ $A \rightarrow aB$
4. ✖ $A \rightarrow a$
5. ✖ $A \rightarrow Ba$

Question Number : 68 Question Id : 9593766618 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

In a two-pass assembler, which of the following is not a valid task of pass-1?

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Options :

1. ✗ To determine the length of machine instruction
2. ✗ To keep track of location counter
3. ✗ To generate symbol table
4. ✗ To generate literal table
5. ✓ To process pseudo ops

Question Number : 68 Question Id : 9593766618 Question Type : MCQ Display Question Number : Yes Single Line Question

Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In a two-pass assembler, which of the following is not a valid task of pass-1?

Options :

1. ✗ To determine the length of machine instruction
2. ✗ To keep track of location counter
3. ✗ To generate symbol table
4. ✗ To generate literal table
5. ✓ To process pseudo ops

Question Number : 69 Question Id : 9593766619 Question Type : MCQ Display Question Number : Yes Single Line Question

Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid operating system functionality in connection with file management?

Options :

1. ✗ Creating and deleting file
2. ✗ Creating and deleting directories
3. ✓ Storage allocation
4. ✗ Mapping files onto secondary storage
5. ✗ Backing up files on stable storage media

Question Number : 69 Question Id : 9593766619 Question Type : MCQ Display Question Number : Yes Single Line Question

Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid operating system functionality in connection with file management?

Options :

1. ✗ Creating and deleting file
2. ✗ Creating and deleting directories
3. ✓ Storage allocation
4. ✗ Mapping files onto secondary storage

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Question Number : 70 Question Id : 9593766620 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the following is not a valid Unix system call for files manipulation?

Options :

1. ✔ exit()
2. ✖ open()
3. ✖ read()
4. ✖ write()
5. ✖ close()

Question Number : 70 Question Id : 9593766620 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the following is not a valid Unix system call for files manipulation?

Options :

1. ✔ exit()
2. ✖ open()
3. ✖ read()
4. ✖ write()
5. ✖ close()

Question Number : 71 Question Id : 9593766621 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the following pieces of information is not contained in Process Control Block (PCB)?

Options :

1. ✖ CPU registers
2. ✖ Memory-management information
3. ✖ Process state
4. ✖ Program counter
5. ✔ Number and size of pages

Question Number : 71 Question Id : 9593766621 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the following pieces of information is not contained in Process Control Block (PCB)?

Options :

1. ✖ CPU registers

- 2. ✖ Memory-management information
- 3. ✖ Process state
- 4. ✖ Program counter
- 5. ✔ Number and size of pages

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Question Number : 72 Question Id : 9593766622 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not an advantage of multithreaded programming?

Options :

- 1. ✖ Responsiveness
- 2. ✖ Resource sharing
- 3. ✔ Controlled redundancy
- 4. ✖ Economy
- 5. ✖ Scalability

Question Number : 72 Question Id : 9593766622 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not an advantage of multithreaded programming?

Options :

- 1. ✖ Responsiveness
- 2. ✖ Resource sharing
- 3. ✔ Controlled redundancy
- 4. ✖ Economy
- 5. ✖ Scalability

Question Number : 73 Question Id : 9593766623 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Consider the following set of processes with the length of the CPU burst given in milliseconds:

Process	Burst Time
P1	6
P2	8
P3	7
P4	3

Using Shortest-Job-First (SJF) algorithm for CPU scheduling, the average waiting time is:

Options :

- 1. ✖ 6 milliseconds
- 2. ✔ 7 milliseconds
- 3. ✖ 8 milliseconds

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4. ✖ 9 milliseconds
5. ✖ 10 milliseconds

Question Number : 73 Question Id : 9593766623 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Consider the following set of processes with the length of the CPU burst given in milliseconds:

Process	Burst Time
P1	6
P2	8
P3	7
P4	3

Using Shortest-Job-First (SJF) algorithm for CPU scheduling, the average waiting time is:

Options :

1. ✖ 6 milliseconds
2. ✔ 7 milliseconds
3. ✖ 8 milliseconds
4. ✖ 9 milliseconds
5. ✖ 10 milliseconds

Question Number : 74 Question Id : 9593766624 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If there are n processes in the ready queue and the time quantum is q then for Round-Robin CPU scheduling each process must wait no longer than _____ time units until its next time quantum.

Options :

1. ✖ $n \times q$
2. ✖ $(n + 1) \times q$
3. ✔ $(n - 1) \times q$
4. ✖ $n + q$
5. ✖ $(n \times q) + q$

Question Number : 74 Question Id : 9593766624 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

If there are n processes in the ready queue and the time quantum is q then for Round-Robin CPU scheduling each process must wait no longer than _____ time units until its next time quantum.

Options :

1. ✖ $n \times q$
2. ✖ $(n + 1) \times q$
3. ✔ $(n - 1) \times q$
4. ✖ $n + q$

Question Number : 75 Question Id : 9593766625 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

In Unix, which of the following symbols is used in command line to run a process in background?

Options :

1. ✔ &

2. ✖ |

3. ✖ *

4. ✖ #

5. ✖ @

Question Number : 75 Question Id : 9593766625 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

In Unix, which of the following symbols is used in command line to run a process in background?

Options :

1. ✔ &

2. ✖ |

3. ✖ *

4. ✖ #

5. ✖ @

Question Number : 76 Question Id : 9593766626 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

What is the output of the following Unix command?

`grep -c "Unix" f1`

Options :

1. ✖ The number of capital letters in "Unix"

2. ✔ The number of times "Unix" appears in f1

3. ✖ The "Unix" will be copied into f1

4. ✖ The "Unix" will be deleted from f1

5. ✖ The position of the first occurrence of "Unix" in f1

Question Number : 76 Question Id : 9593766626 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

What is the output of the following Unix command?

`grep -c "Unix" f1`

Options :

1. ✖ The number of capital letters in "Unix"
2. ✔ The number of times "Unix" appears in f1
3. ✖ The "Unix" will be copied into f1
4. ✖ The "Unix" will be deleted from f1
5. ✖ The position of the first occurrence of "Unix" in f1

Question Number : 77 Question Id : 9593766627 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following software development models allows refining the requirements?

Options :

1. ✖ Waterfall model
2. ✖ Incremental model
3. ✖ Spiral model
4. ✔ Prototyping model
5. ✖ Rapid application development model

Question Number : 77 Question Id : 9593766627 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following software development models allows refining the requirements?

Options :

1. ✖ Waterfall model
2. ✖ Incremental model
3. ✖ Spiral model
4. ✔ Prototyping model
5. ✖ Rapid application development model

Question Number : 78 Question Id : 9593766628 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The process of software modifications to match changes in the ever changing environment is termed as:

Options :

1. ✖ Assertive maintenance
2. ✖ Corrective maintenance
3. ✔ Adaptive maintenance
4. ✖ Perfective maintenance
5. ✖ Preventive maintenance

Correct : 2 Wrong : 1

The process of software modifications to match changes in the ever changing environment is termed as:

Options :

1. ✗ Assertive maintenance
2. ✗ Corrective maintenance
3. ✓ Adaptive maintenance
4. ✗ Perfective maintenance
5. ✗ Preventive maintenance

Question Number : 79 Question Id : 9593766629 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following can be used to replace flowcharts?

Options :

1. ✗ Structure charts
2. ✗ Decision trees
3. ✗ Decision tables
4. ✗ Data-flow diagrams
5. ✓ Pseudo codes

Question Number : 79 Question Id : 9593766629 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following can be used to replace flowcharts?

Options :

1. ✗ Structure charts
2. ✗ Decision trees
3. ✗ Decision tables
4. ✗ Data-flow diagrams
5. ✓ Pseudo codes

Question Number : 80 Question Id : 9593766630 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Integration testing aims to identify:

Options :

1. ✗ SRS errors
2. ✗ Analysis errors
3. ✓ Interface errors
4. ✗ Design errors

Question Number : 80 Question Id : 9593766630 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Integration testing aims to identify:

Options :

1. ✖ SRS errors
2. ✖ Analysis errors
3. ✔ Interface errors
4. ✖ Design errors
5. ✖ Semantic errors

Question Number : 81 Question Id : 9593766631 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a limitation of mobile computing?

Options :

1. ✖ Range and bandwidth
2. ✖ Health problem
3. ✔ Portability
4. ✖ Power consumption
5. ✖ Transmission interferences

Question Number : 81 Question Id : 9593766631 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a limitation of mobile computing?

Options :

1. ✖ Range and bandwidth
2. ✖ Health problem
3. ✔ Portability
4. ✖ Power consumption
5. ✖ Transmission interferences

Question Number : 82 Question Id : 9593766632 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following improves the network capacity of a wireless network?

Options :

1. ✖ Decreasing the size of the cells

2. ✖ Increasing the size of the cells
3. ✖ Decreasing the number of cells
4. ✖ Increasing the number of mobile users in a cell
5. ✔ Increasing the number of cells

Question Number : 82 Question Id : 9593766632 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following improves the network capacity of a wireless network?

Options :

1. ✖ Decreasing the size of the cells
2. ✖ Increasing the size of the cells
3. ✖ Decreasing the number of cells
4. ✖ Increasing the number of mobile users in a cell
5. ✔ Increasing the number of cells

Question Number : 83 Question Id : 9593766633 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In an infrastructure-based wireless LAN, the Basic Service Area (BSA) is:

Options :

1. ✖ A wireless station
2. ✔ Simply a cell
3. ✖ A gateway connecting a wireless station to a network
4. ✖ A gateway connecting two wireless stations
5. ✖ An another word for server

Question Number : 83 Question Id : 9593766633 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In an infrastructure-based wireless LAN, the Basic Service Area (BSA) is:

Options :

1. ✖ A wireless station
2. ✔ Simply a cell
3. ✖ A gateway connecting a wireless station to a network
4. ✖ A gateway connecting two wireless stations
5. ✖ An another word for server

Question Number : 84 Question Id : 9593766634 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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Snapdeal.com comes under which of the following e-commerce categories?

Options :

1. ✗ B2B
2. ✓ B2C
3. ✗ C2B
4. ✗ B2G
5. ✗ C2C

Question Number : 84 Question Id : 9593766634 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Snapdeal.com comes under which of the following e-commerce categories?

Options :

1. ✗ B2B
2. ✓ B2C
3. ✗ C2B
4. ✗ B2G
5. ✗ C2C

Question Number : 85 Question Id : 9593766635 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a distinguishing feature of a data warehouse from other data repositories?

Options :

1. ✗ Time-variant
2. ✗ Integrated
3. ✗ Subject-oriented
4. ✓ Structured
5. ✗ Nonvolatile

Question Number : 85 Question Id : 9593766635 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a distinguishing feature of a data warehouse from other data repositories?

Options :

1. ✗ Time-variant
2. ✗ Integrated
3. ✗ Subject-oriented
4. ✓ Structured
5. ✗ Nonvolatile

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Question Number : 86 Question Id : 9593766636 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following data cube measures is not a distributive measure?

Options :

1. ✗ Sum()
2. ✗ Count()
3. ✓ Median()
4. ✗ Min()
5. ✗ Max()

Question Number : 86 Question Id : 9593766636 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following data cube measures is not a distributive measure?

Options :

1. ✗ Sum()
2. ✗ Count()
3. ✓ Median()
4. ✗ Min()
5. ✗ Max()

Question Number : 87 Question Id : 9593766637 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid OLAP (On-Line Analytical Processing) operation on multidimensional data?

Options :

1. ✗ Roll-up
2. ✗ Drill-down
3. ✗ Slice
4. ✗ Dice
5. ✓ Retrieve

Question Number : 87 Question Id : 9593766637 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is not a valid OLAP (On-Line Analytical Processing) operation on multidimensional data?

Options :

1. ✗ Roll-up
2. ✗ Drill-down

- 3. ✖ Slice
- 4. ✖ Dice
- 5. ✔ Retrieve

Question Number : 88 Question Id : 9593766638 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is a supervised data discretization technique?

Options :

- 1. ✖ Binning
- 2. ✖ Histogram analysis
- 3. ✔ Entropy-based discretization
- 4. ✖ Cluster analysis
- 5. ✖ Discretization by intuitive partitioning

Question Number : 88 Question Id : 9593766638 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is a supervised data discretization technique?

Options :

- 1. ✖ Binning
- 2. ✖ Histogram analysis
- 3. ✔ Entropy-based discretization
- 4. ✖ Cluster analysis
- 5. ✖ Discretization by intuitive partitioning

Question Number : 89 Question Id : 9593766639 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following techniques is not used for data transformation?

Options :

- 1. ✔ Clustering
- 2. ✖ Smoothing
- 3. ✖ Aggregation
- 4. ✖ Generalization
- 5. ✖ Normalization

Question Number : 89 Question Id : 9593766639 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following techniques is not used for data transformation?

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Options :

1. ☒ Clustering
2. ☐ Smoothing
3. ☐ Aggregation
4. ☐ Generalization
5. ☐ Normalization

Question Number : 90 Question Id : 9593766640 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Number of data set scans to generate frequent item sets using FP-Growth method is:

Options :

1. ☐ one
2. ☒ two
3. ☐ three
4. ☐ same as the number of transactions in the data set
5. ☐ same as the number of items in the dataset

Question Number : 90 Question Id : 9593766640 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Number of data set scans to generate frequent item sets using FP-Growth method is:

Options :

1. ☐ one
2. ☒ two
3. ☐ three
4. ☐ same as the number of transactions in the data set
5. ☐ same as the number of items in the dataset

Question Number : 91 Question Id : 9593766641 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is an example of lazy learner?

Options :

1. ☐ Decision tree induction
2. ☐ Rule-based classification
3. ☐ Classification by backpropagation
4. ☐ Support vector machines
5. ☒ K-nearest-neighbor classifier

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Correct : 2 Wrong : 1

Which of the following is an example of lazy learner?

Options :

1. ✗ Decision tree induction
2. ✗ Rule-based classification
3. ✗ Classification by backpropagation
4. ✗ Support vector machines
5. ✓ K-nearest-neighbor classifier

Question Number : 92 Question Id : 9593766642 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following 8085 microprocessor interrupt inputs has the highest priority?

Options :

1. ✓ TRAP
2. ✗ RST7.5
3. ✗ RST6.5
4. ✗ RST5.5
5. ✗ INTR

Question Number : 92 Question Id : 9593766642 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following 8085 microprocessor interrupt inputs has the highest priority?

Options :

1. ✓ TRAP
2. ✗ RST7.5
3. ✗ RST6.5
4. ✗ RST5.5
5. ✗ INTR

Question Number : 93 Question Id : 9593766643 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following microprocessors does not use microprogramming technique?

Options :

1. ✓ Intel 8085
2. ✗ Intel 8086
3. ✗ Intel 80486
4. ✗ Motorola 68040

Question Number : 93 Question Id : 9593766643 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following microprocessors does not use microprogramming technique?

Options :

1. ✔ Intel 8085
2. ✖ Intel 8086
3. ✖ Intel 80486
4. ✖ Motorola 68040
5. ✖ Motorola 68000

Question Number : 94 Question Id : 9593766644 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following sorting techniques has worst-case time-complexity as $O(n \log n)$?

Options :

1. ✖ Bubble sort
2. ✖ Quick sort
3. ✔ Heap sort
4. ✖ Selection sort
5. ✖ Insertion sort

Question Number : 94 Question Id : 9593766644 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following sorting techniques has worst-case time-complexity as $O(n \log n)$?

Options :

1. ✖ Bubble sort
2. ✖ Quick sort
3. ✔ Heap sort
4. ✖ Selection sort
5. ✖ Insertion sort

Question Number : 95 Question Id : 9593766645 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following sorting techniques is not a comparison sort?

Options :

1. ✖ Merge sort
2. ✔ Bucket sort

- 3. ✖ Heap sort
- 4. ✖ Cocktail sort
- 5. ✖ Binary tree sort

Question Number : 95 Question Id : 9593766645 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following sorting techniques is not a comparison sort?

Options :

- 1. ✖ Merge sort
- 2. ✔ Bucket sort
- 3. ✖ Heap sort
- 4. ✖ Cocktail sort
- 5. ✖ Binary tree sort

Question Number : 96 Question Id : 9593766646 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is non-emissive display device?

Options :

- 1. ✖ CRT display
- 2. ✖ Plasma panel display
- 3. ✔ LCD
- 4. ✖ LED
- 5. ✖ Electroluminescent display

Question Number : 96 Question Id : 9593766646 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is non-emissive display device?

Options :

- 1. ✖ CRT display
- 2. ✖ Plasma panel display
- 3. ✔ LCD
- 4. ✖ LED
- 5. ✖ Electroluminescent display

Question Number : 97 Question Id : 9593766647 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The value of the blending function for a cubic Bezier curve at $u = 1$ is:

Options :

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1. ✗ $BEZ_{1,3} = 1$
2. ✗ $BEZ_{2,3} = 2$
3. ✗ $BEZ_{1,3} = 2$
4. ✗ $BEZ_{0,3} = 0.5$
5. ✓ $BEZ_{3,3} = 1$

Question Number : 97 Question Id : 9593766647 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The value of the blending function for a cubic Bezier curve at $u = 1$ is:

Options :

1. ✗ $BEZ_{1,3} = 1$
2. ✗ $BEZ_{2,3} = 2$
3. ✗ $BEZ_{1,3} = 2$
4. ✗ $BEZ_{0,3} = 0.5$
5. ✓ $BEZ_{3,3} = 1$

Question Number : 98 Question Id : 9593766648 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The initial value of decision variable in Bresenham's line drawing algorithm for maximum moment in y direction is taken as:

Options :

1. ✓ $2dx - dy$
2. ✗ $2dy - dx$
3. ✗ $2dx - 2dy$
4. ✗ $2dy - 2dx$
5. ✗ $dy - 2dx$

Question Number : 98 Question Id : 9593766648 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The initial value of decision variable in Bresenham's line drawing algorithm for maximum moment in y direction is taken as:

Options :

1. ✓ $2dx - dy$
2. ✗ $2dy - dx$
3. ✗ $2dx - 2dy$

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4. ✖ $2dy - 2dx$

5. ✖ $dy - 2dx$

Question Number : 99 Question Id : 9593766649 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is a non-rigid body two-dimensional transformation?

Options :

1. ✖ Translation
2. ✖ Rotation about the origin
3. ✖ Reflexon
4. ✖ Rotation about a fixed point
5. ✔ Scaling

Question Number : 99 Question Id : 9593766649 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following is a non-rigid body two-dimensional transformation?

Options :

1. ✖ Translation
2. ✖ Rotation about the origin
3. ✖ Reflexon
4. ✖ Rotation about a fixed point
5. ✔ Scaling

Question Number : 100 Question Id : 9593766650 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of bits required for region code in Cohen Sutherland line clipping algorithm to clip a line against a hexagon is:

Options :

1. ✖ 3
2. ✖ 4
3. ✖ 5
4. ✔ 6
5. ✖ 8

Question Number : 100 Question Id : 9593766650 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The number of bits required for region code in Cohen Sutherland line clipping algorithm to clip a line against a hexagon is:

Options :

1. ✖ 3
2. ✖ 4
3. ✖ 5
4. ✔ 6
5. ✖ 8

General Knowledge

Group Maximum Duration :	60
Group Minimum Duration :	60
Revisit allowed for view? :	No
Revisit allowed for edit? :	No

GK of Chhattisgarh

Mandatory or Optional:	Mandatory
Display Number Panel:	Yes
Group All Questions:	No

Question Number : 101 Question Id : 9593766651 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

What was the previous name of Moti Bag (garden) of Raipur?

Options :

1. ✖ Sapre garden
2. ✖ Jawahar garden
3. ✖ Adinbara garden
4. ✖ Goerge II garden
5. ✔ Victoria garden

Question Number : 101 Question Id : 9593766651 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

रायपुर के मोती बाग का पुराना नाम क्या था?

Options :

1. ✖ सप्रे बाग
2. ✖ जवाहर बाग
3. ✖ एडिनवरा बाग
4. ✖ जार्ज द्वितीय बाग

Question Number : 102 Question Id : 9593766652 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who is the writer of the book called "Ratanpur Mahatmya"?

Options :

1. ✗ Raj Singh
2. ✓ Gopal Kavi
3. ✗ Shiv Raj
4. ✗ Jai Singh
5. ✗ None of the other options

Question Number : 102 Question Id : 9593766652 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

"रतनपुर महात्म्य" पुस्तक के लेखक कौन है?

Options :

1. ✗ राज सिंह
2. ✓ गोपाल कवि
3. ✗ शिव राज
4. ✗ जय सिंह
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 103 Question Id : 9593766653 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who is the main worker of Swarajya party in Chhattisgarh?

Options :

1. ✗ Pt. Lochan Prasad Pandey
2. ✗ Chhedi Lal
3. ✗ Pt. Ravi Shankar Shukla
4. ✓ E. Raghwendra Rao
5. ✗ None of the other options

Question Number : 103 Question Id : 9593766653 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ में स्वराज्य दल के प्रमुख कार्यकर्ता कौन थे?

Options :

1. ✖ पं. लोचन प्रसाद पांडे
2. ✖ छेदीलाल
3. ✖ पं. रविशंकर शुक्ल
4. ✔ ई. राघवेन्द्र राव
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 104 Question Id : 9593766654 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

National poet Makhan Lal Chaturvedi's famous poem "Pusp ki Abhilasha" was written in which Jail of Chhattisgarh? First line of this poem is "Chah Nahi Main Surbala Ke Gahne Mai Guntha Jaun".

Options :

1. ✖ Nagpur
2. ✖ Raipur
3. ✔ Bilaspur
4. ✖ Raigarh
5. ✖ None of the other options

Question Number : 104 Question Id : 9593766654 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

राष्ट्र कवि माखन लाल चतुर्वेदी जी ने "पुष्प की अभिलाषा" कविता छत्तीसगढ़ की किस जेल में लिखी थी? इस कविता की प्रथम पंक्ति थी "चाह नहीं मैं सुरबाला के गहने में गुथा जाऊँ।"

Options :

1. ✖ नागपुर
2. ✖ रायपुर
3. ✔ बिलासपुर
4. ✖ रायगढ़
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 105 Question Id : 9593766655 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In which Tahsil of Chhattisgarh, the prominent freedom fighter Gajadhar Sao was connected?

Options :

1. ✖ Durg
2. ✖ Raipur

3. ✖ Bilaspur

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4. ✖ Dhamtari

5. ✔ None of the other options

Question Number : 105 Question Id : 9593766655 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ के प्रसिद्ध स्वतंत्रता संग्राम सेनानी श्री गजाधर साव किस तहसील से संबद्ध थे?

Options :

1. ✖ दुर्ग

2. ✖ रायपुर

3. ✖ बिलासपुर

4. ✖ धमतरी

5. ✔ अन्य विकल्पों में से कोई नहीं

Question Number : 106 Question Id : 9593766656 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Where is Menka dwar or Gate?

Options :

1. ✖ Sakti

2. ✖ Madnpur

3. ✖ Dhanpur

4. ✔ Chaitur Garh

5. ✖ Ram Garh

Question Number : 106 Question Id : 9593766656 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

मेनका द्वार या दरवाजा कहाँ है?

Options :

1. ✖ सक्ती

2. ✖ मदनपुर

3. ✖ धनपुर

4. ✔ चैतुरगढ़

5. ✖ रामगढ़

Question Number : 107 Question Id : 9593766657 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct : 2 Wrong : 1

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In 1987, one of the prominent idol searched by the Archeological Department, which was made up by several part of different animals. In which place was this idol kept by government?

Options :

1. ✖ Malhar
2. ✖ Ratanpur
3. ✔ Talagaon
4. ✖ Sirpur
5. ✖ None of the other options

Question Number : 107 Question Id : 9593766657 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

पुरातत्व विभाग ने 1987 ई. में एक प्रख्यात मूर्ति खोजी जिसमें बहुत से प्राणियों के भाग सम्मिलित थे। इसे शासन ने कौन से स्थान पर रखा है?

Options :

1. ✖ मल्हार
2. ✖ रतनपुर
3. ✔ तलगांव
4. ✖ सिरपुर
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 108 Question Id : 9593766658 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In which district Satdhara waterfall is?

Options :

1. ✖ Raipur
2. ✖ Kanker
3. ✖ Bilaspur
4. ✔ Dantewada
5. ✖ None of the other options

Question Number : 108 Question Id : 9593766658 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

सतधारा जलप्रपात किस जिले में है?

Options :

1. ✖ रायपुर

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2. ✗ कांकेर
3. ✗ बिलासपुर
4. ✓ दंतेवाड़ा
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 109 Question Id : 9593766659 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which famous temple in Chhattisgarh was constructed by king Veersen?

Options :

1. ✗ Mahamaya temple
2. ✗ Bhoramdeo temple
3. ✗ Rajiv Lochan temple
4. ✓ Ma Bumbleshwari temple
5. ✗ None of the other options

Question Number : 109 Question Id : 9593766659 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

राजा वीरसेन द्वारा छत्तीसगढ़ के किस प्रसिद्ध मंदिर का निर्माण कराया गया है?

Options :

1. ✗ महामाया मंदिर
2. ✗ भोरमदेव मंदिर
3. ✗ राजिव लोचन मंदिर
4. ✓ मां बूम्बलेश्वरी मंदिर
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 110 Question Id : 9593766660 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

How many kilometer lies Mahanadi basin in Chhattisgarh?

Options :

1. ✗ 70858
2. ✗ 65580
3. ✗ 6356
4. ✗ 2380
5. ✓ None of the other options

Correct : 2 Wrong : 1

छत्तीसगढ़ में महानदी बेसिन का विस्तार कितने किलोमीटर में है?

Options :

1. ✗ 70858
2. ✗ 65580
3. ✗ 6356
4. ✗ 2380
5. ✓ अन्य विकल्पों में से कोई नहीं

Question Number : 111 Question Id : 9593766661 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

From which Hindu tithi, Rajim Kumbha mela commences?

Options :

1. ✓ Megh purnima
2. ✗ Kartik purnima
3. ✗ Poush purnima
4. ✗ Baisakh purnima
5. ✗ None of the other options

Question Number : 111 Question Id : 9593766661 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

राजिम कुंभ मेला किस हिन्दू तिथि से प्रारंभ होता है?

Options :

1. ✓ माघ पूर्णिमा
2. ✗ कार्तिक पूर्णिमा
3. ✗ पौष पूर्णिमा
4. ✗ बैसाख पूर्णिमा
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 112 Question Id : 9593766662 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Where is Hazrat Moose Khan Dargaha situated?

Options :

1. ✗ Kabirdham (Kawardha)

2. ✖ Rajnandgaon

3. ✖ Durg

4. ✔ Ratanpur

5. ✖ None of the other options

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Question Number : 112 Question Id : 9593766662 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

हजरत मूसे खां का दरगाह कहां स्थित है?

Options :

1. ✖ कबीरधाम (कवर्धा)

2. ✖ राजनांदगांव

3. ✖ दुर्ग

4. ✔ रतनपुर

5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 113 Question Id : 9593766663 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Jaydev Baghel was related to which field of work?

Options :

1. ✔ Craft

2. ✖ Music

3. ✖ Literature

4. ✖ Medicine

5. ✖ None of the other options

Question Number : 113 Question Id : 9593766663 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

जयदेव बघेल किस कार्यक्षेत्र से संबंधित थे?

Options :

1. ✔ शिल्प

2. ✖ संगीत

3. ✖ साहित्य

4. ✖ चिकित्सा

5. ✖ अन्य विकल्पों में से कोई नहीं

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Correct : 2 Wrong : 1

Another name of Mahanadi is:

Options :

1. ✗ Shuni
2. ✗ Suvarn Rekha
3. ✓ Chitrotpala
4. ✗ Mandakini
5. ✗ None of the other options

Question Number : 114 Question Id : 9593766664 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

महानदी का एक अन्य नाम है:

Options :

1. ✗ शुनि
2. ✗ सुवर्ण रेखा
3. ✓ चित्रोत्पला
4. ✗ मन्दाकिनी
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 115 Question Id : 9593766665 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

In which monument of Sirpur, the 'Panch Tantra' based famous stories are depicted?

Options :

1. ✗ Anand prabhu kuti vihar
2. ✗ Swastik vihar
3. ✓ Teevar dev vihar
4. ✗ Laxman temple
5. ✗ None of the other options

Question Number : 115 Question Id : 9593766665 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

इनमें से सिरपुर स्थित किस स्मारक में 'पंचतंत्र' आधारित प्रसिद्ध कहानियां रूपायित हैं?

Options :

1. ✗ आनंद प्रभु कुटी विहार

2. ✖ स्वास्तिक विहार
3. ✔ तीवर देव विहार
4. ✖ लक्ष्मण मंदिर
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 116 Question Id : 9593766666 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

From which of the following does the literary reference of Rishabh Teerth of Chhattisgarh is derived?

Options :

1. ✖ Raghuvansha
2. ✔ Mahabharat
3. ✖ Adipurana
4. ✖ Arthshatra
5. ✖ None of the other options

Question Number : 116 Question Id : 9593766666 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ में ऋषभ तीर्थ की जानकारी का साहित्यिक स्रोत क्या है?

Options :

1. ✖ रघुवंश
2. ✔ महाभारत
3. ✖ आदिपुराण
4. ✖ अर्थशास्त्र
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 117 Question Id : 9593766667 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The Gundadthur University is situated at:

Options :

1. ✖ Bilaspur
2. ✔ Jagadapur
3. ✖ Bhilai
4. ✖ Janjgir
5. ✖ None of the other options

Correct : 2 Wrong : 1

गुंडाधूर विश्वविद्यालय _____ में स्थित है।

Options :

1. ✗ बिलासपुर
2. ✓ जगदलपुर
3. ✗ भिलाई
4. ✗ जांजगीर
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 118 Question Id : 9593766668 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

'Paritranay Sadhunam' is a modal sentence of which dept. of Chhattisgarh administration?

Options :

1. ✓ Police dept.
2. ✗ Culture and tourism
3. ✗ Education
4. ✗ Forest dept.
5. ✗ None of the other options

Question Number : 118 Question Id : 9593766668 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

“परित्राणाय साधुनाम्” छत्तीसगढ़ प्रशासन के किस विभाग का आदर्श वाक्य है?

Options :

1. ✓ पुलिस विभाग
2. ✗ पर्यटन एवं संस्कृति
3. ✗ शिक्षा विभाग
4. ✗ वन विभाग
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 119 Question Id : 9593766669 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

The Hindi meaning of 'Salwa judum' is:

Options :

1. ✓ Shanti Ki Or Lauto

2. ✖ Public awareness
3. ✖ Tribal education
4. ✖ Vande Matram
5. ✖ None of the other options

Question Number : 119 Question Id : 9593766669 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

“सलवा जुडुम” का हिन्दी अर्थ है:

Options :

1. ✔ शांति की और लौटो
2. ✖ जनजागरण
3. ✖ आदिवासी शिक्षा
4. ✖ वंदे मातरम्
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 120 Question Id : 9593766670 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Out of the following, which scheduled tribe celebrate “Kak Sad Parab”?

Options :

1. ✖ Kamar
2. ✔ Abujhmadia
3. ✖ Baiga
4. ✖ Pahari korwa
5. ✖ None of the other options

Question Number : 120 Question Id : 9593766670 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

निम्नलिखित में से कौन सी अनुसूचित जनजाति “काकसाइ परब” मनाते है?

Options :

1. ✖ कमार
2. ✔ अबुझमाड़िया
3. ✖ बैगा
4. ✖ पहाड़ी कोरवा
5. ✖ अन्य विकल्पों में से कोई नहीं

Correct : 2 Wrong : 1

Who celebrate "Bali Parab"?

Options :

1. ✓ Halba
2. ✗ Oraoh
3. ✗ Kamar
4. ✗ Kanwar
5. ✗ None of the other options

Question Number : 121 Question Id : 9593766671 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

बाली परब कौन मनाते है?

Options :

1. ✓ हल्बा
2. ✗ उरांव
3. ✗ कमार
4. ✗ कंवर
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 122 Question Id : 9593766672 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who speaks "Baigani" dialect?

Options :

1. ✗ Korwa
2. ✗ Korku
3. ✗ Kamar
4. ✗ Gond
5. ✓ None of the other options

Question Number : 122 Question Id : 9593766672 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

"बैगानी" बोली कौन बोलते है?

Options :

1. ✗ कोरवा
2. ✗ कोरकू
3. ✗ कमार

4. ✖ गोंड

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5. ✔ अन्य विकल्पों में से कोई नहीं

Question Number : 123 Question Id : 9593766673 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who perform "Gaur Dance" (Bison Dance)?

Options :

1. ✖ Oraon

2. ✖ Baiga

3. ✖ Kamar

4. ✔ Madia

5. ✖ None of the other options

Question Number : 123 Question Id : 9593766673 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

"गौर नृत्य" कौन करते है?

Options :

1. ✖ उरांव

2. ✖ बैगा

3. ✖ कमार

4. ✔ माड़िया

5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 124 Question Id : 9593766674 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Jamidar (landlord) of the Sonakhan estate of Chhattisgarh, belonged to which scheduled tribe?

Options :

1. ✖ Kanwar

2. ✔ Binjhar

3. ✖ Gond

4. ✖ Halba

5. ✖ None of the other options

Question Number : 124 Question Id : 9593766674 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ के सोनाखान स्टेट के जमीदार किस जनजाति के थे?

Options :

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1. ✖ कंवर
2. ✔ बिड़वार
3. ✖ गोंड
4. ✖ हल्बा
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 125 Question Id : 9593766675 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

“Dhumakuria” youth dormitory belongs to which of the following scheduled tribe?

Options :

1. ✖ Muria
2. ✖ Madia
3. ✖ Kamar
4. ✔ Oraon
5. ✖ None of the other options

Question Number : 125 Question Id : 9593766675 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

निम्नांकित अनुसूचित जनजातियों में “धुमकुरिया” युवागृह किस जनजाति की थी?

Options :

1. ✖ मुरिया
2. ✖ माड़िया
3. ✖ कमार
4. ✔ उरांव
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 126 Question Id : 9593766676 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What was the minimum support price of ‘A’ grade paddy in the year 2014-15 in Chhattisgarh state?

Options :

1. ✖ Rs 1350 per quintal
2. ✔ Rs 1400 per quintal
3. ✖ Rs 1470 per quintal
4. ✖ Rs 1425 per quintal

5. ✖ None of the other options

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Question Number : 126 Question Id : 9593766676 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

वर्ष 2014-15 में छत्तीसगढ़ राज्य में 'A' ग्रेड के धान का न्यूनतम समर्थन मूल्य क्या था?

Options :

1. ✖ ₹ 1350 प्रति क्विंटल
2. ✔ ₹ 1400 प्रति क्विंटल
3. ✖ ₹ 1470 प्रति क्विंटल
4. ✖ ₹ 1425 प्रति क्विंटल
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 127 Question Id : 9593766677 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

What percentage of subsidy can be provided to small and marginal farmers under "National Micro Irrigation Mission"?

Options :

1. ✔ 75 percent
2. ✖ 60 percent
3. ✖ 50 percent
4. ✖ 80 percent
5. ✖ None of the other options

Question Number : 127 Question Id : 9593766677 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

"राष्ट्रीय माइक्रो सिंचाई मिशन" के अन्तर्गत सीमांत एवं लघु कृषकों को कितनी प्रतिशत सब्सिडी दी जा सकती है?

Options :

1. ✔ 75 प्रतिशत
2. ✖ 60 प्रतिशत
3. ✖ 50 प्रतिशत
4. ✖ 80 प्रतिशत
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 128 Question Id : 9593766678 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

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What was the total production of sugarcane in the year 2012-13 in Chhattisgarh state?

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Options :

1. ✗ 32.60 thousand tonnes
2. ✓ 37.30 thousand tonnes
3. ✗ 38.67 thousand tonnes
4. ✗ 38.88 thousand tonnes
5. ✗ None of the other options

Question Number : 128 Question Id : 9593766678 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

वर्ष 2012-13 में छत्तीसगढ़ राज्य में गन्ने का कुल उत्पाद कितना था?

Options :

1. ✗ 32.60 हजार टन
2. ✓ 37.30 हजार टन
3. ✗ 38.67 हजार टन
4. ✗ 38.88 हजार टन
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 129 Question Id : 9593766679 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

How many districts are covered under "National Horticulture Mission" in Chhattisgarh state?

Options :

1. ✗ 27
2. ✗ 24
3. ✗ 20
4. ✓ 19
5. ✗ None of the other options

Question Number : 129 Question Id : 9593766679 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ में 'राष्ट्रीय उद्यानिकी' मिशन के अन्तर्गत कितने जिले शामिल किए गये हैं?

Options :

1. ✗ 27
2. ✗ 24
3. ✗ 20
4. ✓ 19

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5. ✖ अन्य विकल्पों में से कोई नहीं

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Question Number : 130 Question Id : 9593766680 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which district of Chhattisgarh has covered the maximum area of forest?

Options :

1. ✖ Bastar
2. ✔ Narayanpur
3. ✖ Koriya
4. ✖ Sukma
5. ✖ None of the other options

Question Number : 130 Question Id : 9593766680 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य में सर्वाधिक वनों का विस्तार वाला जिला कौन सा है?

Options :

1. ✖ बस्तर
2. ✔ नारायणपुर
3. ✖ कोरिया
4. ✖ सुकमा
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 131 Question Id : 9593766681 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which of the class has given the higher number of ration card in Chhattisgarh state?

Options :

1. ✖ Antyodaya (pink)
2. ✔ Priority (blue)
3. ✖ General (brown)
4. ✖ Disabled (green)
5. ✖ None of the other options

Question Number : 131 Question Id : 9593766681 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य में सर्वाधिक राशनकार्ड की संख्या किस को प्रदान की गयी है?

Options :

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1. ✘ अन्त्योदय (गुलाबी)
2. ✔ प्राथमिकता (नीला)
3. ✘ सामान्य (भुरा)
4. ✘ निःशक्तजन
5. ✘ अन्य विकल्पों में से कोई नहीं

Question Number : 132 Question Id : 9593766682 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

How many project division are working for forest development in Chhattisgarh state?

Options :

1. ✘ Four
2. ✔ Seven
3. ✘ Ten
4. ✘ Three
5. ✘ None of the other options

Question Number : 132 Question Id : 9593766682 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य में वन विकास हेतु कितने परियोजना मण्डल काम कर रहे हैं?

Options :

1. ✘ चार
2. ✔ सात
3. ✘ दस
4. ✘ तीन
5. ✘ अन्य विकल्पों में से कोई नहीं

Question Number : 133 Question Id : 9593766683 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which is Biggest Pat of Chhattisgarh?

Options :

1. ✘ Main Pat
2. ✘ Jarang Pat
3. ✘ Samri Pat
4. ✔ Jashpur Pat
5. ✘ None of the other options

Question Number : 133 Question Id : 9593766683 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ का सबसे बड़ा पाट कौन सा है?

Options :

1. ✖ मैन पाट
2. ✖ जारंग पाट
3. ✖ सामरी पाट
4. ✔ जशपुर पाट
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 134 Question Id : 9593766684 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

One third of total disabled population of Chhattisgarh state lives only in the following two district:

Options :

1. ✖ Surguja and Raigarh
2. ✖ Bilaspur and Korba
3. ✖ Bastar and Koriya
4. ✔ Raipur and Drug
5. ✖ None of the other options

Question Number : 134 Question Id : 9593766684 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य की कुल निःशक्त जनसंख्या का एक तिहाई केवल निम्न दो जिलों में रहती है?

Options :

1. ✖ सरगुजा और रायगढ़
2. ✖ बिलासपुर और कोरबा
3. ✖ बस्तर और कोरिया
4. ✔ रायपुर और दुर्ग
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 135 Question Id : 9593766685 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What is the percentage of protected forest to total area in Chhattisgarh?

Options :

1. ✓ 40.21
2. ✗ 43.13
3. ✗ 50.00
4. ✗ 32.00
5. ✗ None of the other options

Question Number : 135 Question Id : 9593766685 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

छत्तीसगढ़ के कुल वनक्षेत्र में संरक्षित वन का प्रतिशत कितना है?

Options :

1. ✓ 40.21
2. ✗ 43.13
3. ✗ 50.00
4. ✗ 32.00
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 136 Question Id : 9593766686 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

If a member of Janpad Panchayat quitting the Janpad and start living in other Janpad, then what will happen?

Options :

1. ✓ He shall not remain member
2. ✗ He shall remain member
3. ✗ He will complete this term
4. ✗ Janpad Panchayat will decide in this matter
5. ✗ None of the other options

Question Number : 136 Question Id : 9593766686 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

यदि कोई जनपद सदस्य उस जनपद को छोड़कर दूसरे जनपद में रहना शुरू कर दे तो क्या होगा?

Options :

1. ✓ वह सदस्य नहीं रहेगा
2. ✗ वह सदस्य बना रहेगा
3. ✗ वह अपना कार्यकाल पूरा करेगा
4. ✗ जनपद पंचायत इस विषय पर निर्णय लेगी
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 137 Question Id : 9593766687 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What is correct about the minimum & maximum no. of members?

- I. Gram Panchayant 10-20 member
- II. Gram Panchayant 10-15 member
- III. Janpad Panchayant 10-20 member
- IV. Janpad Panchayant 10-25 member
- V. Zila Panchayant 10-35 member
- VI. Zila Panchayant 10-30 member

Options :

- 1. ✗ I, III, V
- 2. ✗ II, IV, VI
- 3. ✗ I, IV, VI
- 4. ✗ II, III, V
- 5. ✓ I, IV, V

Question Number : 137 Question Id : 9593766687 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

पंचायतों की न्यूनतम और अधिकतम संख्या के विषय में सही क्या है?

- I. ग्राम पंचायत 10-20 सदस्य
- II. ग्राम पंचायत 10-15 सदस्य
- III. जनपद पंचायत 10-20 सदस्य
- IV. जनपद पंचायत 10-25 सदस्य
- V. जिला पंचायत 10-35 सदस्य
- VI. जिला पंचायत 10-30 सदस्य

Options :

- 1. ✗ I, III, V
- 2. ✗ II, IV, VI
- 3. ✗ I, IV, VI
- 4. ✗ II, III, V
- 5. ✓ I, IV, V

Question Number : 138 Question Id : 9593766688 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which is not included in obligatory taxes imposed by Gram Panchayat?

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- I. Light tax, light arrangement provided by Gram Panchayat
- II. Professional tax
- III. Tax on sarais/dharmshalas
- IV. Water tax
- V. Market fees
- VI. Fees on bullock cart stand

Options :

- 1. ✗ I, II, III
- 2. ✗ IV, V, VI
- 3. ✗ II, IV, VI
- 4. ✗ I, III, V
- 5. ✓ I, II, V

Question Number : 138 Question Id : 9593766688 Question Type : MCQ Display Question Number : Yes Single Line Question

Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

ग्राम पंचायत द्वारा अधिरोपित किए जानेवाले अनिवार्य करों में क्या सम्मिलित नहीं है?

- I. ग्राम पंचायत द्वारा प्रदत्त प्रकाश व्यवस्था पर प्रकाश कर
- II. वृत्ति कर
- III. सरायों / धर्मशालाओं पर कर
- IV. जलकर
- V. बाजार फीस
- VI. बैलगाड़ी स्टेण्ड के लिए फीस

Options :

- 1. ✗ I, II, III
- 2. ✗ IV, V, VI
- 3. ✗ II, IV, VI
- 4. ✗ I, III, V
- 5. ✓ I, II, V

Question Number : 139 Question Id : 9593766689 Question Type : MCQ Display Question Number : Yes Single Line Question

Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who of the following compared the Collector to a tortoise on whose back stood the elephant like Govt. of India?

Options :

- 1. ✗ Sir George Campbell
- 2. ✗ Sir William Wilson
- 3. ✗ The Imperial Gazetteer of India

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4. ✓ Ramsay McDonald

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5. ✗ None of the other options

Question Number : 139 Question Id : 9593766689 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

निम्न में से किस व्यक्ति ने जिलाधीश की तुलना एक ऐसे कछुए से की थी जिसकी पीठ पर हाथी रूपी भारत सरकार खड़ी है?

Options :

1. ✗ सर जार्ज कैम्पबेल

2. ✗ सर विलियम विल्सन

3. ✗ दि इम्पीरियल गजेटियर ऑफ़ इण्डिया

4. ✓ रेम्जे मेकडोनाल्ड

5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 140 Question Id : 9593766690 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who chairs the annual meeting of the chief secretaries of all the states?

Options :

1. ✓ Cabinet Secretary

2. ✗ Home Secretary of Govt. of India

3. ✗ Home Minister

4. ✗ Prime Minister

5. ✗ None of the other options

Question Number : 140 Question Id : 9593766690 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

सभी राज्यों के मुख्य सचिवों के वार्षिक सम्मेलन की अध्यक्षता कौन करता है?

Options :

1. ✓ मन्त्रिमण्डलीय सचिव

2. ✗ भारत सरकार का गृह सचिव

3. ✗ केन्द्रीय गृह मन्त्री

4. ✗ प्रधान मन्त्री

5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 141 Question Id : 9593766691 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

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Udanti sanctuary is situated at the boundary of which state?

Options :

1. ✖ Madhya Pradesh
2. ✖ Bihar
3. ✖ Maharashtra
4. ✔ Odisha
5. ✖ None of the other options

Question Number : 141 Question Id : 9593766691 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

उदन्ती अभयारण्य किस राज्य की सीमा पर स्थित है?

Options :

1. ✖ मध्य प्रदेश
2. ✖ बिहार
3. ✖ महाराष्ट्र
4. ✔ ओडिशा
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 142 Question Id : 9593766692 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Which of the following tribes of Chhattisgarh is identified as extremely backward tribe by the central government?

Options :

1. ✖ Kol
2. ✔ Kamar
3. ✖ Halba
4. ✖ Kanwar
5. ✖ None of the other options

Question Number : 142 Question Id : 9593766692 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ की निम्नलिखित में से किस आदिवासी जनजाति को केन्द्र सरकार ने विशेष पिछड़ी जनजाति घोषित किया है?

Options :

1. ✖ कोल
2. ✔ कमार

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- 3. ✖ हल्बा
- 4. ✖ कंवर
- 5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 143 Question Id : 9593766693 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

What percentage of water is estimated under surface water in Chhattisgarh state?

Options :

- 1. ✔ 80.6 Percent
- 2. ✖ 75.7 Percent
- 3. ✖ 82.5 Percent
- 4. ✖ 76.0 Percent
- 5. ✖ None of the other options

Question Number : 143 Question Id : 9593766693 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य में सतहजल के अन्तर्गत कितने प्रतिशत जल की उपलब्धता अनुमानित की गयी है?

Options :

- 1. ✔ 80.6 प्रतिशत
- 2. ✖ 75.7 प्रतिशत
- 3. ✖ 82.5 प्रतिशत
- 4. ✖ 76.0 प्रतिशत
- 5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 144 Question Id : 9593766694 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

“Save girl, Educate girl” plan was launched in Chhattisgarh on:

Options :

- 1. ✖ 20 Jan, 2015
- 2. ✔ 22 Jan, 2015
- 3. ✖ 23 Jan, 2015
- 4. ✖ 26 Jan, 2015
- 5. ✖ None of the other options

Question Number : 144 Question Id : 9593766694 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

“बेटी बचाओ बेटी पढ़ाओ” योजना छत्तीसगढ़ राज्य में कब लागू की गई? <https://universitypaper.in>

Options :

1. ✗ 20 जनवरी 2015
2. ✓ 22 जनवरी 2015
3. ✗ 23 जनवरी 2015
4. ✗ 26 जनवरी 2015
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 145 Question Id : 9593766695 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

When was state woman commission constituted?

Options :

1. ✓ 24 Mar, 2001
2. ✗ 26 Jan, 2002
3. ✗ 15 Aug, 2010
4. ✗ 26 Jan, 2011
5. ✗ None of the other options

Question Number : 145 Question Id : 9593766695 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

राज्य महिला आयोग का गठन कब किया गया था?

Options :

1. ✓ 24 मार्च 2001
2. ✗ 26 जनवरी 2002
3. ✗ 15 अगस्त 2010
4. ✗ 26 जनवरी 2011
5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 146 Question Id : 9593766696 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

When was the National Rural Livelihood Mission (NRLM) introduced in Chhattisgarh?

Options :

1. ✓ 1 Apr, 2013
2. ✗ 2 Oct, 2014
3. ✗ 26 Jan, 2013

4. ✖ 15 Aug, 2014

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5. ✖ None of the other options

Question Number : 146 Question Id : 9593766696 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

छत्तीसगढ़ में "राष्ट्रीय ग्रामीण आजीविका मिशन" (NRCM) कब लागू किया गया?

Options :

1. ✔ 1 अप्रैल 2013

2. ✖ 2 अक्टूबर 2014

3. ✖ 26 जनवरी 2013

4. ✖ 15 अगस्त 2014

5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 147 Question Id : 9593766697 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

Which is a major Jalashay projet in Chhattisgarh state?

Options :

1. ✖ Sukhanal Barrage

2. ✖ Ghumariya Barrage

3. ✖ Mongara Barrage

4. ✖ Saradih Barrage

5. ✔ None of the other options

Question Number : 147 Question Id : 9593766697 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

छत्तीसगढ़ राज्य में कौन सी बड़ी जलाशय परियोजना है?

Options :

1. ✖ सुखनाला बैराज

2. ✖ घुमरीया बैराज

3. ✖ मोंगरा बैराज

4. ✖ साराडीह बैराज

5. ✔ अन्य विकल्पों में से कोई नहीं

Question Number : 148 Question Id : 9593766698 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical
Correct : 2 Wrong : 1

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How many forest division are approved by the Government of India for scientific management of forest of Chhattisgarh state?

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Options :

1. ✖ 32
2. ✖ 33
3. ✔ 34
4. ✖ 35
5. ✖ None of the other options

Question Number : 148 Question Id : 9593766698 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

भारत सरकार के द्वारा छत्तीसगढ़ राज्य के कितने वन संभाग को वनों के वैज्ञानिक प्रबन्धन के लिए स्वीकृति दी गयी है?

Options :

1. ✖ 32
2. ✖ 33
3. ✔ 34
4. ✖ 35
5. ✖ अन्य विकल्पों में से कोई नहीं

Question Number : 149 Question Id : 9593766699 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

“Manthan–Award” received by the Government of Chhattisgarh is related to which of the followings?

Options :

1. ✖ Increase in milk-production
2. ✖ Increase in rice-production
3. ✔ Computerization of public distribution system
4. ✖ Road Transport
5. ✖ None of the other options

Question Number : 149 Question Id : 9593766699 Question Type : MCQ Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ सरकार को प्राप्त ‘मंथन-अवार्ड’ का सम्बन्ध निम्न में से किससे है?

Options :

1. ✖ दुग्ध उत्पादन वृद्धि से
2. ✖ चावल उत्पादन वृद्धि से

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3. ✓ सार्वजनिक वितरण प्रणाली के कम्प्यूटरीकृत से

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4. ✗ सड़क यातायत से

5. ✗ अन्य विकल्पों में से कोई नहीं

Question Number : 150 Question Id : 9593766700 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

Who was awarded Sanskrit Bhasha Samman in the year 2014 in Chhattisgarh?

Options :

1. ✗ Shri Ganga Ram Paikra

2. ✓ Dr. Ramakant Shukla

3. ✗ Shri Vibhudeep Nanda

4. ✗ Shri Ambar Singh Bhardwaj

5. ✗ None of the other options

Question Number : 150 Question Id : 9593766700 Question Type : MCQ Display Question Number : Yes Single Line Question
Option : No Option Orientation : Vertical

Correct : 2 Wrong : 1

छत्तीसगढ़ में वर्ष 2014 का संस्कृत भाषा सम्मान किसे प्रदान किया गया है?

Options :

1. ✗ श्री गंगाराम पैकरा

2. ✓ डा. रमाकांत शुक्ला

3. ✗ श्री विभुदीप नंद

4. ✗ श्री अम्बर सिंह भारद्वाज

5. ✗ अन्य विकल्पों में से कोई नहीं

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